

STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Ventura, California

November 6, 1991

R. D. Phillips, Agent  
SOUTHERN CALIFORNIA GAS COMPANY  
P.O. Drawer 3249 Mail Location 22GO  
Los Angeles, CA 90051-1249

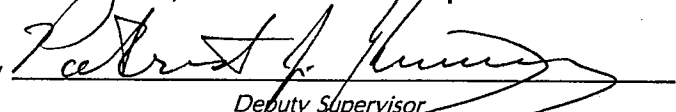
Your request, dated July 24, 1991, proposing to change the designation of well(s) in Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon field, Los Angeles County, District No. 2, has been received.

The proposed change in designation, in accordance with Section 3203, Public Resources Code, is authorized as follows:

<u>FROM</u>	<u>TO</u>
"SFZU" P-42A (037-21876)	"Porter" 42A (037-21876)
"SFZU" P-42B (037-21877)	"Porter" 42B (037-21877)
"SFZU" P-42C (037-21878)	"Porter" 42C (037-21878)
"SFZU" P-69A (037-22051)	"Porter" 69A (037-22051)
"SFZU" PS-42 (037-00753)	"Porter Sesnon" 42 (037-00753)
"SFZU" SS-1 (037-00754)	"Standard Sesnon" 1 (037-00754)
"SFZU" SS-2 (037-00755)	"Standard Sesnon" 2 (037-00755)
"SFZU" SS-3 (037-00756)	"Standard Sesnon" 3 (037-00756)
"SFZU" SS-5 (037-00758)	"Standard Sesnon" 5 (037-00758)
"SFZU" SS-6 (037-00759)	"Standard Sesnon" 6 (037-00759)
"SFZU" SS-7 (037-00760)	"Standard Sesnon" 7 (037-00760)
"SFZU" SS-8 (037-00761)	"Standard Sesnon" 8 (037-00761)
✓ "SFZU" SS-9 (037-00762)	"Standard Sesnon" 9 (037-00762)

M. G. MEFFERD, State Oil and Gas Supervisor

By

  
Deputy Supervisor  
PATRICK J. KINNEAR

SoCal Gas Co  
OPERATOR Bar. Lick  
LSE & NO. 55-9  
MAP NO. 150

INTENTION

NOTICE DATED

P-REPORT DATED

CHECKED BY/DATE

MAP LETTER DATED

SYMBOL

<u>9/1/88</u>	<u>remark</u>	<u>alter casing</u>		
	<u>8-13-77</u>	<u>10-28-88</u>		
<u>273-253</u>	<u>277-300</u>	<u>288-426</u>		
<u>Nc</u>	<u>NC</u>	<u>Nc</u>		

REC'D NEED REC'D NEED REC'D NEED REC'D NEED REC'D NEED

NOTICE

HISTORY

SUMMARY

IES/ELECTRIC LOG

DIRECTIONAL SURV.

CORE/SWS DESCRIP.

DIPMETER RESULTS

OTHER

RECORDS COMPLETE

	<u>8-19-77</u>	<u>X</u>	<u>10-31-88</u>			
<u>8-22-73</u>	<u>9-22-77</u>		<u>2-15-89</u>			
	<u>BOKE</u>	<u>X</u>	<u>VERT LOG</u>	<u>Fluid Ent</u>		
	<u>8-29-77</u>		<u>1-24-89</u>	<u>Survey</u>		
				<u>12-6-89</u>		
<u>8-22-73</u>	<u>9-22-77</u>		<u>PMC</u>			

ENGINEERING CHECK	CLERICAL CHECK
T-REPORTS _____	POSTED TO 121 _____
OPERATOR'S NAME _____	170 MAILED _____
WELL DESIGNATION _____	FINAL LETTER _____
LOC. & ELEVATION _____	MAILED _____
SIGNATURE _____	RELEASE _____
SURFACE INSPECTION _____	BOND _____
FINAL LETTER OK _____	

REMARKS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS  
RECEIVED

History of Oil or Gas Well

FEB 15 1989

Operator Southern California Gas Co. Field Aliso Canyon VENTURA, CALIFORNIA  
Well Standard Sesnon #9 "SFZU" SS-9 Sec 28 T 3N R 6W. S.B.B. & M.  
A.P.I. #037-00762 Name R. W. Weibel Agent  
Date January 30, 1989 (Person submitting report) (President, Secretary or Agent)

Signature

N. W. Buss for R. W. Weibel

P.O. Box 3249 Terminal Annex, L.A. California 90051 (213)689-3925

(Address)

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

MWO No. 99933: was issued to inspect 7" casing

1988  
~~1989~~

12-5 Moved in rig. Rekilled well. Installed back pressure  
to valve in donut. Removed xmas tree and installed 9" 3000 psi  
12-12 Class 3 BOPE. Removed back pressure valve and installed  
2-7/8" pup joint and safety valve. Pressure tested blind rams  
and pipe rams 3000 psi; Hydril bag to 2300 psi. DOG declined  
to witness test.

12-13 Worked Baker anchor seal assembly loose from packer at 8564'  
and pulled out of well with production equipment. Ran 6-1/8"  
bit on 7" casing scraper to 8472'.

12-14 Ran casing scraper to 8564' and pulled out of well. Ran 329'  
of 2-3/8" Hydril CS tubing tail below 2-7/8" tubing to 8596'.

12-15 Cleaned out liner from 8651'-8859' and circulated well clean.

- 12-16            Pulled out of well with tubing. Ran Vertilog casing inspection log from 8558' to surface.
- 12-17            Made up Baker latch type seal assembly with 4 seals and a 5' production tube; one joint of tubing; hydrotested to 4000 psi; picked up one 2-7/8" Otis No-Go nipple; one joint of tubing; one Otis 2-7/8" XD sliding sleeve; one joint of tubing; one 2-7/8" x 1.5" gas lift mandrel with dummy valve and ran tubing in well, hydrotesting to 4000 psi, to Baker packer at 8564'. Pulled 15,000 lb to check latch. Spaced out and landed tubing with 10,000# on latch when donut was in place. Removed BOPE and installed xmas tree.
- 12-19            Tested xmas tree at 5000 psi. Opened sliding sleeve. Changed over to inhibited KCl water. Released rig at 12:00 P.M.

28-3-16  
037-00762

CUSTOMER	SOUTHERN CALIFORNIA GAS CO.		WORK ORDER NO.	124303	DATE	12-16-88	
LEASE/WELL NO.	STANDARD SESNON No. 9		CUSTOMER ORDER NO.				
FIELD	ALISO CANYON	COUNTY	LOS ANGELES	STATE			CALIFORNIA
CASING O.D.	7"	WEIGHT(S)	23,26,29	NOMINAL WALL THICKNESS	GRADE		J-55, N-80
TOTAL FOOTAGE INSPECTED	8553'	FROM	SURFACE	TO	8553'	DEPTH	

## SUBSURFACE CASING INSPECTION REPORT

### SUMMARY

198	LENGTHS WERE FOUND TO SHOW NO EVIDENCE OF CORROSION EXCEEDING	20	CLASS 1
	PERCENT OF THE NOMINAL BODY WALL.		
6	LENGTHS WERE FOUND TO SHOW EVIDENCE OF CORROSION EXCEEDING	20	CLASS 2
	PERCENT BUT LESS THAN PERCENT OF THE NOMINAL BODY WALL.		
0	LENGTHS WERE FOUND TO SHOW EVIDENCE OF CORROSION EXCEEDING	40	CLASS 3
	PERCENT BUT LESS THAN PERCENT OF THE NOMINAL BODY WALL.		
0	LENGTHS WERE FOUND TO SHOW EVIDENCE OF CORROSION EXCEEDING	60	CLASS 4
	PERCENT OF THE NOMINAL BODY WALL.		
204	TOTAL LENGTHS		
8553'	TOTAL FOOTAGE		

DIVISION OF OIL AND GAS  
RECEIVED

JAN 24 1989

VENTURA, CALIFORNIA

REFERENCE FOR FOOTAGE MEASURE	GROUND LEVEL +6.92'
LENGTHS ARE NUMBERED FROM	SURFACE
COMMENTS	
SERVICED BY	

CUSTOMER SOUTHERN CALIFORNIA GAS COMPANY		WORK ORDER NO. 124303	DATE 12-16-88
LEASE/WELL NO. STANDARD SESNON No. 9		CUSTOMER ORDER NO.	
FIELD ALISO CANYON	COUNTY LOS ANGELES	STATE CALIFORNIA	
CASING O.D. 7"	WEIGHT(S) 23.26.29	NOMINAL WALL THICKNESS	GRADE J-55, N-80
TOTAL FOOTAGE INSPECTED 8553'	FROM SURFACE	TO 8553'	DEPTH

## SUBSURFACE CASING DEFECT REPORT

LENGTH NO.	TYPE DEFECT	PENETRATION	LENGTH NO.	TYPE DEFECT	PENETRATION
OUTSIDE 13-3/8" SURFACE CASING					
51	OD IP	21 - 40			
62	OD IP	21 - 40			
64	OD IP	21 - 40			
67	ID IP	21 - 40			
85	ID IP	21 - 40			
91	ID IP	21 - 40			

### ABBREVIATIONS:

O.D. — OUTSIDE DIAMETER  
I.D. — INSIDE DIAMETER

I.S. — INSIDE SURFACE PIPE  
T.L. — THROUGHOUT LENGTH

I.P. — ISOLATED PITTING  
C.C. — CIRCUMFERENTIAL CORROSION  
G.C. — GENERAL CORROSION

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

No. P 288-426  
Field Code 010  
Area Code 00  
New Pool Code 30  
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS

R. M. Morrow, Agent  
SOUTHERN CALIF. GAS CO.  
810 S. Flower Street  
Los Angeles, CA 90017

Ventura, California  
November 2, 1988

Your            proposal to alter casing in well "SFZU" SS-9  
A.P.I. No. 037-00762, Section 28, T. 3N, R. 16W, S.B. B.&M.,  
Aliso Canyon field, any area, Sesnon-Frew pool,  
Los Angeles County, dated 10/28/88, received 10/31/88, has been  
examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

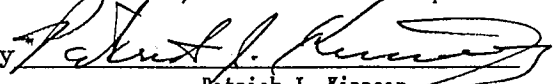
1. Wire line operations are conducted through at least a Class 4M lubricator.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.

Blanket Bond  
SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By   
Patrick J. Kinnear  
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
<i>BB</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well "SF2U" SS - Standard Sesnon #9, API No. 037-00762  
(Well designation)  
Sec. 28, T. 3S, R. 16W, S.B.B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth 8864'
- Complete casing record, including plugs and perforations (present hole)  
13-3/8" cemented 598'  
7" cemented 8625'  
260' 5" landed 8859', top 8599'  
slotted 8859'-8632'  
scabbed with cement 8715'-8690' and 8664'-8643'.
- Present producing zone name Sesnon; Zone in which well is to be recompleted \_\_\_\_\_
- Present zone pressure 2000 psi; New zone pressure \_\_\_\_\_
- Last produced Gas storage well  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)  
(or)  
Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure, psig)
- Is this a critical well according to the definition on the reverse side of this form? ☐ (Yes) ☒ (No)

The proposed work is as follows:

- Rig up wireline operator.
- Perforate interval 8664'-8643' with 4 hpf using through tubing perforating guns.
- Rig down wireline operator.
- Return well to gas storage service.

Note: If well is to be redrilled, show proposed new bottom-hole coordinates and true vertical depth.

**It is understood that if changes in this plan become necessary, we are to notify you immediately.**

Address Box 3249, Terminal Annex  
(Street)  
Los Angeles, CA 90051  
(City) (State) (Zip)  
Telephone Number (213) 689-3925

Southern California Gas Company  
(Name of Operator)  
By N. W. Buss for R. W. Weibel  
(Name - Printed)  
*NW Buss* 10/28/88  
(Name - Signature) (Date)  
Type of Organization Corporation  
(Corporation, Partnership, Individual, etc.)



SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

DIVISION OF OIL AND GAS  
RECEIVED  
SEP 22 1977  
SANTA PAULA, CALIFORNIA

037-00762

**History of Oil or Gas Well**

Operator Southern California Gas Company Field or County Aliso Canyon  
Well name and No. "SF24" STANDARD SEGMENT #9 Sec. 28, T. 3N, R. 16W, S.B.B. & M.  
A.P.I. well No. 037-00762 Name P. S. Magruder, Jr. Title Agent  
Date September 10, 1977 (Person submitting report) (President, Secretary or Agent)

Signature P. S. Magruder Jr.

P.O. BOX 3249 TERMINAL ANNEX, LOS ANGELES, CA, 90051 (213) 689-3561  
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
8-23-77	Killed well with 370 barrels of 72# polymer drilling fluid.
8-25-77	Moved in Oil Well Service Rig #-1 and rigged up. Unable to circulate. Secured well at 10:00 P.M.
8-26-77	Circulated well with Halliburton to remove gas from drilling fluid. Removed Xmas tree and installed B.O.P.E. Tested B.O.P.E. with water 2000 psi on blind rams and pipe rams 3000 psi on Hydril bag.
8-27-77	Tested B.O.P.E. with nitrogen and water, as follows: <div style="margin-left: 40px;">Hydril bag at 3000 psi for 20 minutes Pipe rams " 4000 psi " 20 " Blind rams " 4000 psi " 20 "</div>
8-29-77	Finished going with 6" bit and scraper to top of liner at 8599'. Ran 4 1/8" bit and scraper to 8835' cleaned out to 8855'.
8-30-77	Ran Johnston bridge plug and set at 8580'. Tested with 1500 psi for 10 minutes. Circulated brine-polymer drilling fluid out with fresh water treated with surface tension agent.
8-31-77	Finished running Johnston retrievable retainer. Set retainer at 3000'. Tested casing from 3000' to 8580' with 2800 psi for one hour. Tested with retainer at: <div style="margin-left: 40px;">Surface to 3000' at 3000 psi for 60 minutes " " 2500' " 3200 psi " 60 " " " 2000' " 3500 psi " 60 " " " 900' " 4000 psi " 60 "</div> Pulled retainer. Ran bridge plug retrieving tool in well. Circulated fresh water out of well with brine-polymer drilling fluid.

- 9-1-77 Retrieved bridge plug from 8580'. GO-International ran gauge to top of liner and set Baker Retrieval-"D" packer at 8560'. Picked up seal unit and safety system. Going in well hydrotesting tubing to 5000 psi for one minute and changing all collars.
- 9-2-77 Hydrotesting tubing in well changing collars and applying Baker seal. Changed drilling line.
- 9-3-77 Finished hydrotesting tubing in well. Landed tubing with 10,000# on packer with hook load of 38,000#. Pulled 25,000# over weight of tubing to test latch. Installed Xmas tree. Tested Christmas tree and tubing hanger seals to 5000 psi. Circulated polymer drilling fluid out of well with lease salt water. Archer-Reed set plug in NO-GO nipple at 8547'. Tested seals and packer with 2000 psi for 20 minutes - O.K.
- 9-4-77 Rig and crew idle.
- 9-5-77  
(Holiday) Rig and crew idle.
- 9-6-77 Rigged up Archer-Reed and pulled tubing plug from NO-GO nipple. Released rig at 8:00 A.M.

nd.

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**Report on Operations**

No. T277-239

Mr. P. S. Magruder, Jr., Agent  
So. Calif. Gas Co.  
P.O. Box 54790 Terminal Annex  
Los Angeles, Calif. 90054

Santa Paula, Calif.  
Sept. 13, 1977

DEAR SIR:

Operations at well No. "SF21" SS-9, API No. 037-00762, Sec. 28, T. 3N, R. 16W,  
S.B., B & M. Aliso Canyon Field, in Los Angeles County, were witnessed  
on 8/27/77. Mr. T. E. Adams, representative of the supervisor was  
present from 1000 to 1300. There were also present R. D. Barton, company foreman

Present condition of well: No additions to the casing record since proposal dated 8/13/77.

The operations were performed for the purpose of testing the blowout prevention equipment  
and installation.

DECISION:

**THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.**

b

**M. G. MEFFERD**  
**STATE OIL AND GAS SUPERVISOR**  
State Oil and Gas Supervisor

By John L. [Signature] Deputy

## REPORT ON PROPOSED OPERATIONS

Santa Paula, California

Aug. 24, 1977

Mr. P. S. Magruder, Jr., Agent  
Southern Calif. Gas Company  
P.O. Box 54790 Terminal Annex  
Los Angeles, Calif. 90054

Your proposal to rework gas storage well "SFZU" SS-9  
(Name and number)  
A.P.I. No. 037-00762, Section 28, T. 3N, R. 16W,  
S.B. B. & M., Aliso Canyon field, Los Angeles County,  
dated 8-13-77, received 8-19-77, has been examined in conjunction  
with records filed in this office.

### THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The drilling fluid used shall be of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts; and a reserve supply of this material shall be kept on hand to meet any emergency.
2. Blowout prevention equipment, at least of the Division of Oil and Gas Class III, 3M rating, shall be installed and maintained in operating condition at all times.
3. THIS DIVISION SHALL BE NOTIFIED TO WITNESS A PRESSURE TEST OF THE BLOWOUT PREVENTION EQUIPMENT BEFORE COMMENCING DOWNHOLE OPERATIONS.

NOTE: A COPY OF THIS APPROVAL SHALL BE POSTED AT THE WELL SITE PRIOR TO COMMENCING OPERATIONS.

Blanket Bond  
MD:b

M. G. MEFFERD

Acting, State Oil and Gas Supervisor

By

Deputy Supervisor

John L. Hardoin

AUG 19 1977

**DIVISION OF OIL AND GAS**  
**Notice of Intention to Rework Well**

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

SANTA PAULA, CALIFORNIA

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
BB	✓	✓

**DIVISION OF OIL AND GAS**

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. STANDARD SESNON #9, API No. \_\_\_\_\_, Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 8864'
- Complete casing record, including plugs and perforations:  
13 3/8" cemented 598'  
7" cemented 8625'  
260'5" landed 8859', top 8599'  
Slotted 8859' - 8632'  
Scabbed with cement 8715' - 8690' and 8664' - 8643'

- Present producing zone name Sesnon Zone in which well is to be recompleted --
- Present zone pressure 3600 psi New zone pressure ---
- Last produced Gas Storage Well  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)  
or  
6. Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows:

- Move in and rig up. Kill well. Install B.O.P.E. and pressure test.
- Pull tubing and packer. Clean out to 8859'.
- Pressure test 7" casing. Perform any remedial work indicated by pressure testing.
- Run packer and tubing with down hole safety system.
- Return well to gas storage operation.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 3249 Terminal Annex  
(Street)  
Los Angeles, California 90051  
(City) (State) (Zip)  
Telephone Number (213) 689-3561

SOUTHERN CALIFORNIA GAS COMPANY  
(Name of Operator)  
By P.S. Magruder, Jr.  
(Name) (Date) 8-13-77  
Type of Organization Corporation  
(Corporation, Partnership, Individual, etc.)

AUG 19 1977

STANDARD SESNON #9 - ALISO CANYON

SANTA PAULA, CALIFORNIA

Program to change packer, pressure test 7" casing, and install new down hole safety system.

TUBING WITHDRAWAL AND CASING INJECTION

Take all measurements from original derrick floor 6.92' above ground.

PRESENT CONDITIONS:

13 3/8" cemented 598' 54.5# J-55  
7" cemented 8625', WSO on shoe  
260' 5" landed 8859', top 8599'  
Slotted 8859' - 8632', scabbed with cement  
8715' - 8690'  
8664' - 8643'

18#

7" CASING DETAILS

Ø - 3777' 23# J-55  
3777' - 5463' 23# N-80  
5463' - 7093' 26# N-80  
7093' - 8625' 29# N-80

100% Safety Factor

<u>BURST</u>	<u>COLLAPSE</u>
4360	3290
6340	4300
7240	5320
8160	6370

TUBING DETAILS: 2 7/8" 8rd EUE J-55 landed 8583'  
Baker hydrostatic packer 8544' (7")  
Baker "F" nipple 8512'  
Baker sliding sleeve 8479' (open)  
5 Camco gas lift mandrels with valves

PROGRAM:

1. Move in and rig up. Pressure test well head seals to 3500 psi.
2. Kill well with 72#/cu.ft. brine polymer drilling fluid. Check bottom hole pressure before moving in rig. Volume of well = 355 barrels.
3. Install back pressure valve in doughnut. Remove Xmas tree and install class III 5000 psi BOPE. Pressure test complete shut-off rams and pipe rams to 4000 psi with water and nitrogen. Also test Hydril bag to 3000 psi with water and nitrogen. Use float valve.
4. Pull tubing including Baker hydrostatic packer. Run 6" bit and casing scraper. Clean out to 8599', top of 5" liner. Also run 4 1/8" bit and casing scraper. Clean out to 8859'.

AUG 19 1977

STANDARD SESNON #9 - Aliso Canyon

PAGE 2.

## SANTA PAULA, CALIFORNIA

5. Set bridge plug at 8590'. Pressure test bridge plug with rig pump. Circulate polymer drilling fluid out of well with fresh water treated with surface tension agent. Pressure test casing, using cement retainer and cement pump truck equipped with calibrated pressure chart and pressure gauge, as follows;

3000' - 8590' with 2800 psi for 60 minutes  
3000' to surface with 3000 psi for 60 minutes  
2500' " " " 3200 psi " 60 "  
2000' " " " 3500 psi " 60 "  
900' " " " 4000 psi " 60 "

Change to polymer drilling fluid.

6. Perform any remedial work indicated by pressure testing. Pull bridge plug from 8590'.
7. Run Baker "Retrieva-D" packer on wire line and using reference collars set packer near 8560'. Do not set packer in a collar.
8. Run 2 7/8" 8rd EUE tubing, change collars, clean pins, apply Baker seal and hydrotest to 5000 psi. Tubing to include:

Baker production tube  
Baker 4 seals  
Baker latch in locator  
Camco 10" heavy wall tube  
Camco 1.81" "NOGO" nipple with 2 7/8" threads  
Camco 20' heavy wall tube  
Camco annular flow safety system  
One joint 2 7/8" tubing  
Camco empty gas lift mandrel  
600' 2 7/8" 8rd EUE N-80  
Tubing on top.

9. Land tubing with up to a maximum of 10,000 pounds on packer. Pull up 25,000 pounds over weight of tubing to check latch.
10. Set back pressure valve in doughnut. Remove BOPE. Reinstall Xmas tree. Pressure test Xmas tree to 5000 psi.
11. Circulate brine-polymer drilling fluid out of well with waste salt water. Set tubing plug in NO-GO nipple. Pressure test seals and packer to 2000 psi. Pull tubing plug and release rig.

G. C. ABRAHAMSON  
August 13, 1977

cc: Rig Supervisor  
Relief Rig Supervisor  
Book Copy  
Contract Pusher (2)

B. Jones  
D. Smiley  
J. Melton  
D. Justice )  
M. Grijalva )

Division Oil & Gas

Well File  
Spare Copy

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

# DIVISION OF OIL AND GAS

## History of Oil or Gas Well

OPERATOR Pacific Lighting Service Company FIELD Aliso Canyon

Well No. SFZU SS-9, Sec. 28, T. 3N, R. 16W, S.B. B. & M.

Date August 20, 19 73

Signed

*P. S. Magruder, Jr.*  
P. S. Magruder, Jr.

P. O. Box 54790, Terminal Annex

Los Angeles, California 90054 (213) 689-3561

Title Agent

(Address)

(Telephone Number)

(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

1973

7-3

Before moving in California Production rig, pumped 50 barrels of hot oil down tubing to remove wax. Using Archer-Reed piano wire, removed valve from gas lift mandrel at 8472'. Rigged up on well. Pumped 60 barrel high gel batch of polymer drilling fluid. Pumped an additional 150 barrels of polymer drilling fluid and obtained gassy oil returns. Pumped a total of 330 barrels of polymer drilling fluid and obtained returns of drilling fluid. Circulated one & one-half hours to dispel oil and gas. Removed Xmas tree, installed B.O.P. and tested. Pulling tubing measuring as pulling.

7-4

Pulled tubing out of hole measuring. Recovered all tubing packers and Guiberson cups and found no evidence of any sand. Ran 6" bit and casing scraper to top of 5" liner at 8599'. Pulled out of hole and ran 4-1/8" bit, casing scraper and wire brush perforation cleaner to 8590' and closed well in for the night.

7-5

Ran 4-1/8" bit, casing scraper and wire brush cleaner to 8835' where same stuck. Worked loose by increasing mud pump pressure to 1000 psi. Worked brush through perforated casing from 8844'-8632', ran back to 8844' and circulated for two hrs. Recovered pieces of rubber from Guiberson cups. Pulled out of hole and ran Schlumberger cement bond log and recorded from 8514' to 6000'. Ran Schlumberger Thermal Neutron Decay log and recorded from 8821' to 7800'. Ran 1000' tubing in hole and shut in for the night.

7-6

Pulled tubing and ran in hole with Baker fullbore retainer. Made following pressure tests of 7" casing, using Halliburton cement truck:

1. 8550'-surface	1500 psi for 23 minutes
2. 6500'-surface	2000 psi for 24 minutes
3. 5000'-surface	2400 psi for 30 minutes
4. 3500'-surface	2800 psi for 25 minutes
5. 2000'-surface	3100 psi for 25 minutes
6. 1000'-surface	3400 psi for 27 minutes*

\* NOTE: When pressure reached 3300 psi, bottom joint of 2-7/8" tubing collapsed. Pulled out of well, replaced that joint of tubing and pressure tested all right.



1973

- 7-6 Pulled Baker fullbore retainer. Ran Baker bridge plug and set at 4985'. Pulled out of hole with setting tool. Tore out working platform and shut well in for the night.
- 7-7 Removed B.O.P. Rigged up casing jacks and using spear, unlanded 7" casing with 232,000 lb. pull. Removed packing and slips from old casing head. Rigged down spear and casing jacks. Using jack hammers, removed 8" of concrete from cellar floor. Welder cut off conductor and 13-3/8" surface casing. Ground 13-3/8" casing and tack welded new 5000 psi casing head on 13-3/8" casing. Shut well in.
- 7-8 Idle.
- 7-9 Welded on new 5000 psi casing head. Checked weld with Gama Ray and found same satisfactory. Relanded 7" casing with 168,000 lbs. Installed slips and packing. Shut well in at 4:00 PM, waiting for tubing head.
- 7-10 Idle - waiting for tubinghead.
- 7-11 Idle - waiting for tubinghead.
- 7-12 Installed new 5000 psi tubing head without valves (will be installed later).
- Pressure tested casing head packing to 3000 psi for 20 minutes. Pressure tested secondary pack-off under 3000 psi for 20 minutes.
- Reinstalled B.O.P. and working platform.
- Ran Baker retrieving tool, latched onto bridge plug at 5000 and pulled out of well.
- Ran 2-7/8" tubing, hydrotesting to 5000 psi and landed at 8583' with full weight on doughnut (details attached). Applied 1500 psi with rig pump and set hydrostatic packer. Applied 2500 psi with rig pump and sheared ball seat. Removed B.O.P. and installed new Xmas tree.
- 7-13 Tested doughnut to 4000 psi for 25 minutes. Tested Xmas tree to 3500 psi for 26 minutes. Using Archer Reed piano wire equipment, opened circulating sleeve at 8482'. Pumped 340 barrels of lease salt water down tubing and displaced drilling fluid out of well. Using Archer Reed piano wire equipment, closed sleeve at 8482'. Shut well in, will displace with nitrogen after installing tubing head valves. Rig released 4:00 PM.

TUBING DETAIL

SS-9

Item

Original derrick floor to top of tubing	0'-12'
166 jts. of 2-7/8" EUE 8rd. J-55 tubing	12'-5015'
Camco KBMG gaslift mandrel w/BK valve 1050#	5015'-5026'
28 jts. 2-7/8" tubing	5026'-5895'
Camco KBMG gaslift mandrel w/BK valve 1025#	5895'-5906'
28 jts. 2-7/8" tubing	5906'-6781'
Camco KBMG gaslift mandrel w/BK valve 1000#	6781'-6793'
26 jts. 2-7/8" tubing	6793'-7604'
Camco KBMG gaslift mandrel w/BK valve 975#	7604'-7616'
28 jts. 2-7/8" tubing	7616'-8437'
Camco KBMG gaslift mandrel w/BK valve 950#	8437'-8448'
1 jt. 2-7/8" tubing	8448'-8479'
2-7/8" Baker sliding sleeve (closed)	8479'-8482'
1 jt. 2-7/8" tubing	8482'-8512'
2-7/8" Baker "F" nipple	8512'-8513'
1 jt. 2-7/8" tubing	8513'-8544'
Baker FH Hydrostatic packer	8544'-8550'
1 jt. 2-7/8" tubing	8550'-8581'
Hydro-Trip pressure sub	8581'-8582'
Chamfered collar	8582'-8583'

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 273-253

Mr. P. S. Magruder, Jr., Agent  
Pacific Lighting Service Co.  
P. O. Box 54790, Terminal Annex  
Los Angeles, California 90054

Santa Paula  
June 13, 1973  
Calif.

DEAR SIR:

(037-00762)

Your proposal to alter casing Well No. "SFZU" SS-9  
Section 28, T. 3N, R. 16W, S.B.B. & M., Aliso Canyon Field, Los Angeles County,  
dated 6/6/73, received 6/11/73, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT ADEQUATE BLOWOUT PREVENTION EQUIPMENT SHALL BE  
INSTALLED AND MAINTAINED IN OPERATING CONDITION AT ALL TIMES.

Blanket Bond  
DER:a  
cc: Operator

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor

By LOP Riggins, Deputy

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

**DIVISION OF OIL AND GAS**

JUN 11 1973

**Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well**

This notice must be given before work begins; one copy only ~~SANTA ANA, CALIFORNIA~~

Los Angeles, Calif. June 6, 1973

**DIVISION OF OIL AND GAS**

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of ~~deepening, redrilling, plugging or~~ altering casing at Well No. SFZU SS-9

(Cross out unnecessary words)

Sec. 28, T. 3N, R. 16W, S.B. B. & M.

Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

1. Total depth. 8864'
2. Complete casing record, including plugs:

13-3/8", 54.5#, c. 598'  
7", 23, 26 & 24#, c. 8625'  
WSO shoe 8625'\*  
260' of 5", 17.93# L 8859'  
Pf: 8632'-8859' (2" x 80M slots x 12R x 6"c)  
Scab cemented 8643'-8664', 8690'-8715'  
T.L.H. 8599'

\* Witnessed and approved by D.O.G.

3. Last produced. \_\_\_\_\_  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

The proposed work is as follows:

Confirm WSO at 5" x 7" splice and *-ignore*  
above Sesnon Zone.

Jet perforate 4 holes per foot and/or  
reperforate 2 holes per foot in the  
Sesnon Zone to convert well to a gas  
storage well.

*(8625-8859) perms. will be in this interval!*

MAP	MAP ELECT.	CASING	PERF.	FOOTAGE
			<i>BB</i>	114
				121

P. O. Box 54790, Terminal Annex  
Los Angeles, California 90054

(Address)

(213) 689-3561

(Telephone No.)

Pacific Lighting Service Company

(Name of Operator)

By *P. S. Magruder, Jr.*  
P. S. Magruder, Jr. - Agent

STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

## REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 North La Brea Avenue

Inglewood,

California

September 23, 1968

Mr. Mr. C. G. Nelson, Agent  
Getty Oil Co., Operator  
P. O. Box 811  
Agent for Ventura, California 93001

DEAR SIR:

Your ~~request dated~~ letter dated August 26, 1968, relative to change in designation of well(s) in Sec. 28, 29, T. 3 N., R. 16 W., S. B. B. & M., Aliso Canyon field, Los Angeles County, District No. 1, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

"\* \* \* The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

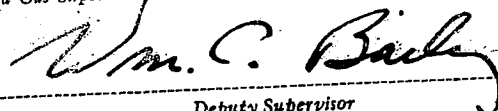
See attached list.

ag

cc: F. E. Kasline  
Production Dept.  
Conservation Committee

F. E. KASLINE  
~~E. R. MURRAY AARON~~  
State Oil and Gas Supervisor

By



Deputy Supervisor

## DIVISION OF OIL AND GAS

## WELL SUMMARY REPORT

LOS ANGELES, CALIFORNIA

SUBMIT IN DUPLICATE

Operator TIDEWATER OIL COMPANY Well No. Standard-Session 1-#9Sec. 28, T. 3N, R. 16 W, SB B. & M. Aliso Canyon Field Los Angeles County.Location 1389.74' S and 5254.80' W from Station #84

(Give location from property or section corner, or street center lines)

Elevation of ground above sea level 2835.71 feetAll depth measurements taken from top of Derrick Floor which is 6.92 feet above ground.  
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date June 4, 1956 Signed T. E. WeaverR. H. Burns W. D. Gould Title T. E. Weaver, Agent  
(Engineer or Geologist) (Superintendent) (President, Secretary or Agent)

Commenced <u>Scabbing</u> <u>drilling</u> <u>1/16/56</u>	GEOLOGICAL MARKERS	DEPTH
Completed <u>Scabbing</u> <u>drilling</u> <u>2/1/56</u>		
Total depth <u>8864</u> Plugged depth		
Junk		

Geologic age at total depth: MioceneCommenced producing 2/4/56 Flowing gas lift pumping Name of producing zone Sesnon  
(Date) (Cross out unnecessary words)

2/6/56 Initial production

Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
168	23.5	3.0%	371	480#	1000#
60	24.0	0.7%	172	1000#	1900

## CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
13-3/8"	598'	0'	54.5	New	Seamless	J-55	17-1/4"	350	
7"	8625	0'	23,26,29#	New	Seamless	J-55, N-80	11"	500	
5"	8859	8599	1293	New	Seamless	N-80	6"		

## PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

5"	8632-8643	80 Mesh x 2" slots	12 Rows x 6" centers	by Pacific
	(8643-8664, 8690-8715 Ineff.)			
5"	8664-8690	(As above)		
5"	8715-8859			

Electrical Log Depths

(Attach Copy of Log)

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCESDIVISION OF OIL AND GAS  
RECEIVED

## DIVISION OF OIL AND GAS

JUL 16 1956

## History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDEWATER OIL COMPANY FIELD ALISO CANYONWell No. Standard-Session 1-#9, Sec. 28, T. 3 N, R. 16 W, S. 3, B. & M.Date June 4, 1956, 19Signed P. E. WeaverLos Nietos, Calif. Oxford 91051Title T. E. Weaver, Agent

(Address)

(Telephone Number)

(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

1956

1/12 Installed mud tanks and drilling crown.  
1/13 Killed well with salt water.  
1/14 Idle  
1/15 Contractor moving in and rigging up.  
1/16 Killed well with salt water. Tore out Christmas tree. Installed B. & P.  
Ran open end tubing to 8859'. Ran tubing broach which stopped at 1200'.  
Spotted 6 barrels KenPak at 8859'. Pulled tubing to 8720' and backscuttled excess. Ran M & T bridge plug and set at 8720'.  
1/17 Broached, pulled and set back 2-7/8" tubing. Making up 2-7/8" drill-tubing.  
1/18 Finished making up 2-3/8" and 2-7/8" drill-tubing with M & T scabbing tool (1' spacing between opposed cups). Washed intervals 8715'-8690' and 8660'-8640' with salt water for 3 hours. Seab cemented interval 8715'-8690' with 35 sacks C.H.T. Pulled tool to 8680' and backscuttled estimated 25 sacks. Seab cemented interval 8660'-8640' with 30 sacks C.H.T. Pulled tool to 8630' and backscuttled an estimated 20 sacks. Time 10:30 PM. B.J. Service.  
1/19 Found top of cement at 8638', drilled out firm cement to 8660', open to 8695', firm and solid cement to 8720'. Pulled bit and scraper and ran M & T scabbing tool with valve.  
1/21 Pressure tested interval 8715'-8690'. Would not hold 1500# but very tight. Pressure tested interval 8660'-8640'. Would not hold 1500#, very loose. Rescabbbed interval 8715'-8690' with 30 sacks C.H.T. cement. Pulled tool to 8685' and backscuttled an estimated 20 sacks. Rescabbbed interval 8660'-8640' with 30 sacks C.H.T. cement. Pulled tool to 8635' and backscuttled an estimated 25 sacks. Time 1:56 PM. B.J. Service.  
1/22 Found top of cement at 8636'. Drilled out firm cement to 8660', open to 8685', spotty and crusty to 8720'. Circulated out cuttings, pulled bit and scraper and ran M & T scabbint tool. Crew off from midnight to 8:00 AM (1-23-56).  
1/23 Attempted to test seabbed intervals but tool would not blank off. Leak in tool or drill-tubing.  
1/24 Hydrotested drill-tubing - held O.K. Pressure tested interval 8715'-8690'. Held 1800#. Tested seabbed interval 8660'-8640'. Would not hold 1500#. Seabbed interval 8660'-8640' with 30 sacks C.H.T. cement. Pulled tool to 8635' and backscuttled an estimated 23 sacks. Time 1:30 AM 1-25-56. B.J. Service.

OPERATOR: TIDEWATER OIL COMPANY

WELL NO. Standard-Sesnon 1-#9, Aliso Canyon Field

JUL 16 1956

LOS ANGELES, CALIFORNIA

1956

1/25 Ran bit and scraper. Found top of cement at 8635'. Drilled out firm cement to 8662'. Started out of hole with bit and scraper when clutch broke down.

1/26 Rig shut down due to storm.

1/27 Crew returned at 8:00 AM. Finished pulling bit and scraper. Ran M & T scabbing tool and pressure tested interval 8660'-8640'. Interval 8660'-8648' held 1600#; interval 8648'-8640' failed. Mixed 20 sacks C.H.T. cement and scabbed interval 8652'-8640'. Pulled tool to 8638' and backscuttled an estimated 10 sacks. Time 10:05 PM. B.J. Service.

1/28 Found top of cement at 8642'. Drilled out solid cement to 8660'. Pulled bit and scraper. Ran M & T washing tool and found scab effective from 8665'-8643'. Held 1700-2000#. Pulled tool.

1/29 Pulled washing tool. Repaired brake. Ran bit and scraper to top of bridge plug at 8720'.

1/30 Circulated out salt water with oil. Drilled out bridge plug at 8720'. Cleaned out KenPak to 8855'. Pulled out of liner and circulated out oil with salt water. Pulled bit and scraper and ran in with M & T washer to top of liner.

1/31 Circulated out salt water with oil and washed perforations from 8855'-8715' and 8689'-8664'. Pulled washing tool to top of liner and circulated out oil with salt water.

2/1 Finished laying down drill tubing. Ran Guiberson packer with Otis choke on 2-7/8" tubing (including 119' of 2-3/8" on bottom) and landed at 8654' (S<sub>6</sub> shale) with 14,000#. Pressure tested annulus with 1500# for 15 min. without circulation. Tore out B.O.P. and installed Christmas tree.

2/2 Started swabbing at 12:00 Noon. In 18 hours (to 6:00 AM 2-3-56) swabbed 165 barrels circulating salt water. Fluid level 4500'.

2/3 In 24 hours swabbed 135 barrels circulating salt water. Fluid level 3300'. Casing pressure 200#.

2/4 In 24 hours swabbed 130 barrels gross fluid, 45 barrels net, 65.0% cut, 725# casing pressure.

2/5 In 24 hours swabbed 130 barrels gross fluid, approximately 45 barrels net, 65.0% cut, 17.2 gravity. Well started flowing at 4:00 AM (2-6-56) through 16/64" bean. 100/700#.

2/6 Released contractor (Terminal Drilling & Production) at 8:00 AM. In 24 hours well flowed 173 barrels gross, 168 barrels net, 3.0% cut, 23.5 gravity, 8/64" bean, 480/1000#, 371 MCF, 2210 GOR. Choke not installed. Changed from 12/64" bean to 8/64" bean at 3:00 PM.

2/7 In 24 hours well flowed 81 barrels gross, 81 barrels net, 0.6% cut, 24.0 gravity, 5/64" bean, 1600/1800#, 219 MCF, 2704 GOR. Choke not installed. Changed from 8/64" to 7/64" bean at 9:00 AM and from 7/64" to 5/64" at 2:00 AM (2-8-56).

2/8 In 24 hours well flowed 22 barrels gross, 22 barrels net, 0.5% cut, 24.1 gravity, 5/64" bean, 1750/1950#, 187 MCF, 8500 GOR.

2/9

	Gross	Net	Cut	Gravity	Bean	Tubing Pressure	Casing Pressure	MCF Gas	GOR
2/9	32	32	0.5%	24.1	11/64"	100#	2050#	107	3343

Installed blank choke at 11:00 AM. Changed from 5/64" to 11/64" surface bean at 3:00 PM. Turned well into low pressure trap at 6:00 AM.

2/10	44	44	0.6%	22.0	11/64"	250#	2100#	55	1250
2/11	32	32	0.6%	22.0	11/64"	100#	2100#	Not gauged	
2/12	38	38	0.6%	22.0	20/64"	100#	2100#	34	895

Changed from 11/64" to 20/64" bean at 8:00 AM.



JUL 16 1956

OPERATOR: TIDEWATER OIL COMPANY

Page 3

LOS ANGELES, CALIFORNIA

WELL NO.: Standard-Sesnon 1-#9, Aliso Canyon Field

1956	Gross	Net	Cut	Gravity	Bean	Tubing Pressure	Casing Pressure	MCF Gas	GOR
2/13	32	32	0.7%	22.0	2 1/2" 64"	100#	2100#	21	650
	Changed from 20/64" surface bean at 10:00 AM.								
2/14	38	38	0.4%	24.0	2 1/2" 64"	100#	2100#	20	576
2/15	14	14	0.7%	24.0	2 1/2" 64"	75#	2100#	6	428
2/16	Shut in to equalize. Attempted to pull choke without success.								
2/17	Pulled blank choke and installed 3/64" choke at 2:00 PM. While bleeding well down (16 hrs.) well flowed:								
	57	52	8.0%	23.0	2 1/2" 64"	150#	1950#	164	3155
2/18	124	114	8.0%	23.0	1 1/2" 64"	300#	1900#	161	1412
	Cut includes 4% water and 4% emulsion. Changed from 2 1/2" to 1 1/2" 64" bean at 2:00 PM.								
2/19	71	70	1.2%	23.9	8/64"	800#	1900#	153	2190
	Changed from 1 1/2" to 10/64" bean at 9:00 AM and from 10 to 8/64" bean at 2:00 PM.								
2/20	70	69	2.0%	24.0	8/64"	800#	1900#	209	3025
2/21	73	67	8.0%	24.0	8/64"	800#	1900#	219	3269
2/22	72	66	8.0%	24.0	8/64"	800#	1900#	210	3183
2/23	70	69	1.4%	24.0	8/64"	800#	1900#	211	3095
2/24	65	64	1.4%	24.0	8/64"	800#	1900#	200	3130
2/25	65	64	1.4%	24.0	8/64"	800#	1900#	196	3060
2/26	54	53	1.4%	24.0	8/64"	800#	1900#	172	3240
2/27	54	53	1.4%	24.0	8/64"	800#	1900#	166	3074
2/28	44	43	1.4%	24.0	8/64"	800#	1900#	172	3909
2/29	47	46	1.0%	24.0	8/64"	800#	1900#	166	3458
3/1	44	44	0.8%	24.0	8/64"	1000#	1900#	159	3609
3/2	38	38	0.8%	24.0	6/64"	1000#	1900#	167	4395
3/3	38	38	0.8%	24.0	6/64"	1000#	1900#	165	4345
3/4	59	59	0.8%	24.0	6/64"	1000#	1900#	160	2712
3/5	76	76	0.7%	24.0	6/64"	1000#	1900#	172	2263
3/6	60	60	0.7%	24.0	6/64"	1000#	1900#	172	
3/7	60	60	0.7%	24.0	6/64"	1000#	1900#		

CASING RECORD

13-3/8" 54.5# C 598'  
 7" 23, 26, 29# C 8625'  
 260' 5" 17.93# L 8859' Pf. 8632'-8859' Top 8599'  
 Scab 8643'-8664'; 8690'-8715

TUBING RECORD

2-7/8" L 8654' (incl. 119' - 2-3/8" on bottom)  
 w/Guiberson packer and Otis choke at S-6 shale

Date: July 6 1954

TO R W WALLING  
Los Angeles

FROM Dept of Natural Resources--Division of Oil and Gas  
201 California Street (San Francisco 11)

I have received the following letter from Standard Oil Company of California. This is being sent you as a matter of record only as it does not appear that any action need be taken.

"Upon review of our April production records for our wells in the Sesnon Zone, Aliso Canyon Field, we have noted that two of the wells, namely, Standard-Sesnon Well 1-3 and 1-9, produced in excess of the gas-oil ratio set by Preliminary Injunction issued by the Superior Court of Los Angeles County, dated August 20, 1954.

"An investigation disclosed that Well 1-3 had excessive gas-oil ratio because the casing was accidentally left open after the rods parted while waiting for a pulling crew. This occurred on June 17th. Production of this well on June 19th was 32 barrels of oil and 112 Mcf. of gas for a gas-oil ratio of 3500.

"Well 1-9 suddenly started producing at a very high ratio one evening. The well was shut down as soon as the situation was discovered. It is proposed to leave this well shut in for about three months and then again test it."

/s/ E. H. Musser

State Oil and Gas Supervisor

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS  
RECEIVED  
MAR 29 1947

## WELL SUMMARY REPORT

LOS ANGELES, CALIFORNIA

Operator SIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYONWell No. STANDARD-SESMON #1- 9 Sec. 28, T. 3 N, R. 16 W, S. 8 B. & M.Location 1389.74° S & 5254.80° W from Station 54 Elevation of derrick floor 2842.63 above sea level 2842.63 feet.

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date March 20, 1947

Signed \_\_\_\_\_

W. E. PerkesR. S. CurlTitle Agent

(Engineer or Geologist)

(Superintendent)

(President, Secretary or Agent)

Commenced drilling 11/13/46 Completed drilling 1/26/47 Drilling tools RotaryTotal depth 8864 Plugged depth \_\_\_\_\_ GEOLOGICAL MARKERS \_\_\_\_\_ DEPTH \_\_\_\_\_

Junk \_\_\_\_\_

Commenced producing 2/4/47 (date) Flowing/gas lift pumping  
(cross out unnecessary words)Initial production  
(6 hrs)  
Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
220	23.0	1.3	56	300+	0#
190	23.0	0.2	72	550#	1000#

## CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforations
13-3/8"	598'	0	54.5#	New	Seamless	J-55	17-1/4"	350	
7"	8625'	0	23.26, 29#	"	"	J-55 H-40	11"	500	
5"	8859'	8599'	17.93#	"	"	H-80	6"		

## PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	8632 ft.	8859 ft.	80 Mesh 2" slots	12	6	Pacific slotted
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths

600-8864

(Attach Copy of Log)

Proposed Changes in Designation

Sec. 28:

<u>Old Designation</u>		<u>New Designation</u>	
"Standard-Sesnon 1"	1	"SFZU" SS-1	(037-00754)
"	2	" SS-2	(037-00755)
"	3	" SS-3	(037-00756)
"	5	" SS-5	(037-00758)
"	6	" SS-6	(037-00759)
"	7	" SS-7	(037-00760)
"	8	" SS-8	(037-00761)
"	9	" SS-9	(037-00762)
"	11	" SS-11	(037-00763)
"	13	" SS-13	(037-00765)
"	14	" SS-14	(037-00766)
"	16	" SS-16	(037-00768)
"	17	" SS-17	(037-00769)
"	24	" SS-24	(037-00770)
"	25	" SS-25	(037-00776)
"	29	" SS-29	(037-00041)
"	30	" SS-30	(037-00780)
"	31	" SS-31	(037-00781)
"	44	" SS-44	(037-00788)

Sec. 29:

<u>Old Designation</u>		<u>New Designation</u>	
"Standard-Sesnon 1"	4	"SFZU" SS-4	(037-00757)
"	10	" SS-10	(037-00040)
"	12	" SS-12	(037-00764)

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

TIDE WATER ASSOCIATED OIL COMPANY

ALISO CANYON

## History of Oil or Gas Well

STANDARD-SESNON #1-9

25

3 N

16 W

S.B.

OPERATOR

FIELD

Well No.

, Sec.

, T.

DIVISION OF OIL AND GAS

RECEIVED

March 20, 1947

Agent

Signed

MAR 29 1947

LOS ANGELES, CALIFORNIA

Date

Title

(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Poured foundation concrete. Erected derrick.

Idle.

Rigged up rotary.

LOCATION: 1389.74' South and 5254.80' West from Station #84.

ELEVATION: 2842.63' derrick floor.

11/13	68'	Spudded 12-1/4" hole at 1:00 PM. Drilled 12-1/4" hole from 0' to 68'.
11/14-11/24	1115'	Drilled 12-1/4" hole from 68' to 1115'. Added rice hulls to mud.
11/25	1147'	Drilled 12-1/4" hole from 1115' to 1147'. Opened 12-1/4" hole to 17-1/4" hole from 68' to 598'.
11/26		Ran and cemented 13-3/8", 54.5# Youngstown T&C J-55 casing at 598' with 350 sacks Colton construction cement all treated with quick setting chemical. Lost circulation shortly before bumping plugs. Time 2:45 PM. International bulk method.
11/27		Installed cellar connections. Pumped in 65 sacks construction cement around top of 13-3/8" casing.
11/28	1191'	Circulated and cleaned out cement from 670' to 698'. Cleaned out to 1147'. Drilled 11" hole from 1147' to 1191'.
11/29-12/27	6502'	Drilled 11" hole from 1191' to 6502'. Changed drilling line.
12/28-1/9	8314'	Drilled 11" hole from 6502' to 8314'. Dropped sledge hammer in hole. Ran Globe junk basket without success. Ran Zublin bit.
1/10	8318'	Drilled 11" hole from 8314' to 8318'. Ran junk bowl at 8314' but could not recover iron. Drilled 6" hole from 8314' to 8318'.
1/11	8321'	Drilled 6" hole from 8318' to 8321'. Ran junk basket and drilled from 8318' to 8321'. Recovered iron. Cut off drilling line.

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS RECEIVED

MAR 29 1947

## History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD \_\_\_\_\_Well No. STANDARD-SESSION #1-9, Sec. 28, T. 3 N, R. 15 W, S. 8, B. & M.

Signed \_\_\_\_\_

Date \_\_\_\_\_

Title R. S. Smith  
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date

1947  
1/12 8382' Opened 6" hole to 11" from 8314' to 8321'. Drilled 11" hole from 8321' to 8382'.

1/13-14 8473' Drilled 11" hole from 8473' to 8473'. Lost rollers from bit in hole. Began running junk basket.

1/15 8481' Ran Globe junk bowl from 8473' to 8475' and recovered four pieces of iron. Drilled 11" hole from 8473' to 8481'.

1/16 8536' Drilled up and sidetracked balance of iron in hole. Drilled 11" hole from 8481' to 8536'.

1/17 8577' Drilled 11" hole from 8536' to 8577'. Ran Schlumberger electric log at 8577'.

1/18 8625' Drilled 11" hole from 8577' to 8625'. Began running 7" casing.

1/19 Ran and cemented 7", 23#, 26#, 29# Youngstown Speedtite casing at 8625' with 500 sacks Colton Hi-Temp cement in bulk. Bottom 1532' is 29# N-80; then 1630' is 26# N-80; then 1686' is 23# N-80; balance is 23#, J-55. Pressure increased from 500# to 650# when plugs bumped. Time 4:45 AM. International Cementers, Inc. Standing cemented.

1/20 Located top of cement at 8560'. Cleaned out to 8625'.

1/21 8632' Drilled 6" hole from 8625' to 8632'. Ran Johnston tester on 2-7/8" drill pipe with 990' of water cushion and set packer at 8596' with tail pipe to 8611'. Opened 3/8" bean at 3:22 PM. Had fair steady blow with gas to surface in 15 minutes and fluid in 45 minutes from 4:30 PM to 5:30 PM. Well flowed 16 bbls gross fluid; cnt as follows:

Time	Mud	Water	Emulsion	Total
4:30	1.0	.0	4.0	5.0
5:00	.4	.4	1.2	1.6
5:15	.3	.0	.7	1.0
5:30	.4	.0	9.6	10.0

SUBMIT IN DUPLICATE  
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

## History of Oil or Gas Well

DIVISION OF OIL AND GAS  
RECEIVED

MAR 29 1947

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYONWell No. STANDARD-SESNON #1-9, Sec. 25, T. 3 N, R. 16 W, S.B. B. & M.

Signed \_\_\_\_\_

Date March 20, 1947Title R. S. Cook  
Agent  
(President, Secretary or Agent)

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Pulled packer loose at 5:42 after tester had been open two hours and 20 minutes. Oil blew out of drill pipe while pulling tester. Recovered 155' of oily drilling fluid above tester. Unable to obtain water from sample with centrifuge. Pressure bomb chart checked details of test. Test witnessed and W.S.O. approved by D.O.G.

1/23 8655' Drilled 6" hole from 8632' to 8655'. Mixed oil emulsion mud.  
1/24 8711' Drilled 6" hole from 8655' to 8711'. Drilled with oil emulsion mud.  
1/25-26 8864' Drilled 6" hole from 8711' to 8864'. Drilled with oil emulsion mud.

Ran Schlumberger electric log at 8864'.  
1/27 Reamed 6" hole from 8625' to 8864'. Ran 260', 5", 17.93# liner including 227' of perforated and landed at 8859'. Top of liner hung 8599'. Top of perforations 8632'. Perforations are 20 Mesh, 2" slots with 6" undercut, 12 rows with 6" centers.  
1/28 Ran 2-7/8", 6.5# J-55 upset tubing including bottom 286'  
2-3/8", 4.7# J-55 upset tubing and hung at 8723'. Installed Christmas tree.

1/29 Circulated out oil emulsion mud with oil. Well shut in.  
1/30 Tore out rotary. Well shut in. 0# tubing and casing pressure.  
1/31 Tore out rotary. Well shut in. 0# tubing and casing pressure.  
Well would not flow.

2/1 0# tubing and casing pressure.  
2/2 50# tubing pressure and 0# casing pressure.  
2/3 Moved in hoist to snub.  
2/4

Rigged up and snubbed we 1 to 500' when well started flowing to pump at 5:00 PM. Turned well to production tanks at 10:00 PM and in 5 hours to 6:00 AM 2/5/47 well flowed 222 bbls gross fluid; 220 bbls approximate net oil; average 1.3% out; 300# tubing pressure; 0# casing pressure; 36/64" bean; 56 MCF gas.

SUBMIT IN DUPLICATE  
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS

RECEIVED

MAR 29 1947

## History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYONWell No. STANDARD-SESNON #1-9, Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

Signed \_\_\_\_\_

Date \_\_\_\_\_

Title R. S. Curt

(President, Secretary or Agent)

March 20, 1947Agent

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Date

	Gross Fluid	Approximate Net Oil	Out	Bean	Gravity	Tubing Pressure	Casing Pressure	Gas MCF	Hours On
1947									
2/5	620	619	0.2	32/64"	23.0	300#	0#	67	24
2/6	340	340	0.1	20/64"	23.0	360#	0#	105	24
2/7	67	67	0.4	20/64"	23.0	600#	0#	26	19
2/8 - 9	S.I.								
2/10	133	133	0.2	12/64"	23.0	540#	0#	30	14
2/11	227	226	0.2	12/64"	23.0	530#	0#	53	24
2/12	222	221	0.8	12/64"	23.0	520#	-	67	24
2/13	217	216	0.2	12/64"	23.0	500#	-	67	24
2/14	213	212	0.4	12/64"	23.0	500#	-	65	24
2/15	216	215	0.2	12/64"	23.0	500#	-	59	24
2/16	211	210	0.4	12/64"	23.0	500#	-	60	24
2/17	208	207	0.4	12/64"	23.0	500#	-	62	24
2/18	214	213	1.0	12/64"	23.0	500#	-	60	24
2/19	212	211	0.2	12/64"	23.0	500#	50#	56	24
2/20	213	212	0.2	12/64"	23.0	500#	300#	57	24
2/21	200	199	0.2	12/64"	23.0	500#	400#	57	24
2/22	216	215	0.3	12/64"	23.0	500#	500#	65	24
2/23	226	225	0.3	12/64"	23.0	500#	950#	64	24
2/24	211	210	0.2	12/64"	23.0	500#	600#	66	24
2/25	180	179	0.2	10/64"	23.0	500#	700#	49	24
2/26	150	149	0.2	10/64"	23.0	525#	750#	48	24
2/27	154	153	0.2	5/64"	23.0	700#	-	48	24
2/28	169	168	0.5	11/64"	23.0	525#	750#	73	24
3/1	185	184	0.2	11/64"	23.0	550#	750#	72	24
3/2	190	189	0.2	11/64"	23.0	550#	1000#	72	24
3/3	185	184	0.2	7/64"	23.0	550#	1000#	72	24
3/4	191	190	0.2	11/64"	23.0	550#	1000#	72	24



SUBMIT IN DUPLICATE  
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS  
RECEIVED

MAR 29 1947

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. STANDARD SESNON #1-9, Sec. 28, T. 3 N, R. 16 W, S.E.B. & M.

Signed \_\_\_\_\_

Date \_\_\_\_\_

Title \_\_\_\_\_

March 20, 1947

Agent (President, Secretary or Agent)

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Date

CASING RECORD

13-3/8", 54.5# C 598'  
7", 23#, 26#, 29# C 8625'  
260' - 5", 17.93# inc 227' 80 Mesh perforations  
L 8459' Top of hanger 8599'  
Top of perfs 8632'.

TUBING RECORD

2-7/8", 6.5# H 8723' inc. bottom 286' 2-3/8", 4.7#

JP

MAP	MAP BOOK	CARDS	BOND	FORMS	
				100	101

DIVISION OF OIL AND GAS

MAR 29 1947

LOG AND CORE RECORD OF OIL OR GAS WELL LOS ANGELES, CALIFORNIA

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. STANDARD-SESNON #1-9 Sec. 28, T. 1 N, R. 16 W, S. B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0'	65'		Drilled		Surface sand clay
65'	812'		"		Sand and shale
812'	834'		"		Shale
834'	3816'		"		Sand and shale
3816'	3858'		"		Shale
3858'	7618'		"		Sand and shale
7618'	7629'		"		Hard shale
7629'	8422'		"		Sand and shale
8422'	8450'		"		Shale
8450'	8473'		"		Sand and shale
8473'	8481'		"		Shale and iron
8481'	8632'		"		Shale
8632'	8655'		"		Sand and shale
8655'	8662'		"		Shale
8662'	8711'		"		Sand and shale
8711'	8762'		"		Sand
8762'	8863'		"		Sand and shale
8863'	8864'		"		Hard zone

MAP	MAP BOOK	CARDS	BOUND	FORMS	
				114	121

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

Report on Test of Water Shut-off  
(FORMATION TESTER)

No. T. 1-46287

Los Angeles 14, Calif. January 24, 1947  
 Mr. R. S. Curl  
 Los Nietos, Calif.  
 Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Your well No. Standard-Seson 1" 9, Sec. 28, T. 3 N., R. 16 W., S. B. B. & M.  
Aliso Canyon Field, in Los Angeles County, was tested for water shut-off  
 on January 22, 1947. Mr. Paul W. Betts, Inspector, designated by the supervisor,  
 was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present  
John Boyyer, Engineer; H. B. Smith, Driller.

Shut-off data: 7 in. 23, 26, 29 lb. casing was cemented at 8625 ft. on January 19, 1947  
 in 11" hole with 500 sacks of cement of which 10 sacks was left in casing.  
 Casing record of well: 13-3/8" cem. 598'; 7" cem. 8625', W. S. O.

Reported total depth 8632 ft. Bridged with cement from xxx ft. to xxx ft. Cleaned out to 8632 ft. for this test.  
 A pressure of 1000 lb. was applied to the inside of casing for 15 min. without loss after cleaning out to 8565 ft.  
 A Johnston tester was run into the hole on 3-1/2 in. drill pipe, with 990 ft. of water cushion,  
 and packer set at 8596 ft. with tailpiece to 8611 ft. Tester valve, with 3/8" bean, was opened at 3:22 p.m.  
 and remained open for 2 hr. and 20 min. During this interval there was a fair blow for 45  
 minutes, (gas to the surface in 15 minutes), a flow of water cushion for 7 minutes, and  
 a flow of clean oil for the balance of the test.

THE INSPECTOR ARRIVED AT THE WELL AT 9:30 P. M. AND MR. BOYER REPORTED:

1. The 13-3/8" casing was cemented at 598' instead of 578' as previously reported.
2. A 12-1/4" rotary hole was drilled from 598' to 1147'; an 11" rotary hole, from 1147' to 8625'; a 6" rotary hole, from 8625' to 8632'.
3. It is estimated that the top of the Seson zone will be encountered at 8635'.
4. On January 19, 1947, 7" casing was run into the hole and cemented as noted above.
5. A Johnston tester was run into the hole as noted above, and the following samples were taken:

Time	Gravity	Mud and sand	Water	B. S.	Total cut
4:30 p.m.	20.6	1.0	0	4.0	5.0
5:00 p.m.	-	0.4	0.4	1.2	2.0
5:15 p.m.	-	0.3	0	0.7	1.0
5:30 p.m.	20.7	0.4	0	9.6	10.0

THE INSPECTOR NOTED:

1. When the drill pipe was removed 8446' of clean oil and 150' of oily drilling fluid was found in the drill pipe above the tester, equivalent to 102 bbl.
2. Samples of oily drilling fluid were taken at 85' above the bottom of the drill pipe and at the tool. No free water could be filtered or centrifuged from the 2 samples.
3. The recording pressure bomb chart showed that the tester valve was open for the duration of the test.

The test was completed at 12:00 midnight.

THE SHUT-OFF IS APPROVED.

PWB:oh

cc- T. L. Wark  
 Jos. Jensen  
 Wm. E. Perkes (2)

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Mussen, Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

## DIVISION OF OIL AND GAS

## Special Report on Operations Witnessed

No. T 1-46130

Mr. R. S. Curl Los Angeles 14, Calif. December 17, 19 46  
 Los Nietos, Calif.  
 Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

"Standard-Sesnon 1"

Operations at your well No. 9 Sec. 28, T. 3 N., R. 16 W., S. B. B. & M.,  
 Aliso Canyon Field, in Los Angeles County, were witnessed by  
 Paul Betts, Inspector, representative of the supervisor,  
 on December 12, 19 46. There was also present R. N. Frantz, Driller  
 W. E. Loper, Derrickman  
 Casing Record 13-3/8" cem. 578'. T.D. 4400' Junk xxx

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 3:30 p.m. and Mr. Frantz reported:

1. A 17" rotary hole was drilled from surface to 603'; a 12-1/4" rotary hole from 603' to 1194', and an 11" rotary hole from 1194' to 4400'.
2. On November 26, 1946, 13-3/8" 54 lb. casing was cemented at 578' with 350 sacks of cement.

THE INSPECTOR NOTED that the well was equipped with the following blowout prevention equipment:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 3" mud fill-up line, with a 3" high pressure stopcock, into the 13-3/8" casing, below the above equipment.
4. A Hosmer type blowout preventer with packer to fit the 4-1/2" drill pipe.
5. An 8-5/8" shut-off gate on the mud discharge line.

The inspection was completed at 3:45 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

cc - T. L. Wark  
 Jos. Jensen  
 Wm. E. Perkes (2)

FB:ES

R. D. BUSH

State Oil and Gas Supervisor

By E. H. Messer Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-00762

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

RECEIVED  
OCT 24 1946  
LOS ANGELES, CALIFORNIA

572455-7

Los Nietos, Calif. October 22, 1946

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. "Standard-Sesnon #1-9", Sec. 28, T. 3 N, R. 16 W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

Lease consists of Sesnon #1

The well is 1389.74 feet ~~XXX~~ S., and 5254.80 feet ~~XXX~~ W. from Station #84  
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 2842.63 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
13-3/8"	54.5#	T&C J-55	2000*	Cemented
7"	23, 26#, 29#	Speedtite J-55 N-80	8600	"
5"	17.93#	N-80 Perf. lnr.	8865	Landed

\* Will be set higher if no lost circulation is encountered while drilling

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address P.O. Box Y Los Nietos

TIDE WATER ASSOCIATED OIL CO

(Name of Operator)

Telephone number Whittier 420-43

By *R. J. Carl*  
Agent P.

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
18-A	20-24-46	End	Blanchard 43486	End	End

P.W.B.

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

**Report on Proposed Operations**

No. P 1-42653

Los Angeles 14, Calif. October 25, 19 46

Mr. R. S. Curl

Los Nietos, Calif.

Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Your \_\_\_\_\_ proposal to drill Well No. "Standard-Sesnon 1", 9  
Section 28, T. 3 N., R. 16 W., S. E. B. & M., Aliso Canyon Field, Los Angeles County,  
dated Oct. 22, 1946, received Oct. 24, 1946, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

**THE NOTICE STATES:**

"The well is 1389.74 feet S. and 5254.80 feet W. from Station #84  
The elevation of the derrick floor above sea level is 2842.63 feet.  
We estimate that the first productive oil or gas sand should be encountered at a depth of  
about \_\_\_\_\_ feet."

**PROPOSAL:**

"We propose to use the following strings of casing, either cementing or landing them as herein  
indicated: Size of Casing Weight Grade and Type Depth Landed or Cemented

13-3/8"	54.5#	T&C J-55 Speedtite	2000*	Cemented
7"	23, 26#, 29#	J-55 N-80	8600	"
5"	17.93#	N-80 Perf. lnr.	8865	Landed

\*Will be set higher if no lost circulation is encountered while drilling

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before  
cementing or landing casing."

**DECISION:**

**THE PROPOSAL IS APPROVED PROVIDED THAT**

1. Mud fluid consistent with good drilling practice shall be used and the column of mud fluid maintained at all times to the surface, particularly while pulling the drill pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
4. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
  - (a) To witness a test of the effectiveness of the 7" shut-off.
  - (b) To inspect the installed blowout prevention equipment before drilling below 2500'.

CLB:OH

cc- T. L. Wark  
Jos. Jensen  
Wm. E. Perkes (2)

R. D. BUSH

State Oil and Gas Supervisor

By E. H. Meessen Deputy

Blanket bond No. 43486